

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-769 REV. C AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-769 REV. 1 OR LATER APPROVED REVISIONS
REF. TCCA STC: SH08-38
REF. FAA STC: SR02682NY
REF. EASA STC: 10027063

The purpose of this DSI is to amend weight and balance sections of IIN-D412-769 and ICA-D412-769. A review of the documents has shown that the longitudinal arms and moments are incorrect in these two documents. The lateral arms and moments remain correct.

Amend Section 4 of IIN-D412-769 and Section 25.8 of ICA-D412-769 per the table below.

Amend the weight and balance record of any aircraft that have D412-769-XXX kits installed.

WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL ARM	LATERAL MOMENT	LONG. ARM	LONG. MOMENT
D412-769-011 AFT FACING SEAT KIT	60.0 lb 27.2 kg	0.0 in 0.0 m	0.00 in-lb 0.00 m-kg	78.2 in 1.99 m	4694 in-lb 54.1 m-kg
D412-769-041 AFT FACING SEAT, LH (NORMAL POSITION)	30.0 lb 13.6 kg	-16.1 in -0.41 m	-483.0 in-lb -5.58 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg
D412-769-042 AFT FACING SEAT, RH (NORMAL POSITION)	30.0 lb 13.6 kg	+16.1 in +0.41 m	+483.0 in-lb +5.58 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg
D412-769-041 AFT FACING SEAT, LH (CENTER POSITION)	30.0 lb 13.6 kg	-1.1 in -0.03 m	-33.0 in-lb -0.41 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg
D412-769-042 AFT FACING SEAT, RH (CENTER POSITION)	30.0 lb 13.6 kg	+1.1 in +0.03 m	+33.0 in-lb +0.41 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg
D412-769-041 AFT FACING SEAT, LH (RIGHT POSITION)	30.0 lb 13.6 kg	+13.9 in +0.35 m	+417.0 in-lb +4.76 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg
D412-769-042 AFT FACING SEAT, RH (LEFT POSITION)	30.0 lb 13.6 kg	-13.9 in -0.35 m	-417.0 in-lb -4.76 m-kg	78.2 in 1.99 m	2347 in-lb 27.1 m-kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	10.01.14
CERT. NO.:	SH08-38
ISSUE NO.:	2

A	NEW ISSUE		10.01.14
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9496	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		W & B ADJUSTMENT	NTS
DATE	10.01.14	COPYRIGHT © 2010 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	